

Addendum C: Conceptual Framework of WEF Nexus Index composition

Item	Dimension/indicator	Supra-dimension	Weight	Aggregation	Direction	Name of dimension/indicator
Index	Index		1	Arithmetic	1	Water-Energy-Food Nexus Index
Pillars	p.01	si.01	0.333	Arithmetic	1	Water sub-index
	p.02	si.01	0.333	Arithmetic	1	Energy sub-index
	p.03	si.01	0.333	Arithmetic	1	Food sub-index
Sub-pillars	sp.01	p.01	0.5	Arithmetic	1	Access
	sp.02	p.01	0.5	Arithmetic	1	Availability
	sp.03	p.02	0.5	Arithmetic	1	Access
	sp.04	p.02	0.5	Arithmetic	1	Availability
	sp.05	p.03	0.5	Arithmetic	1	Access
	sp.06	p.03	0.5	Arithmetic	1	Availability
Indicators	ind.01	sp.01	0.333	Arithmetic	1	The percentage of people using at least basic drinking water services
	ind.02	sp.01	0.333	Arithmetic	1	Percentage of people using safely managed sanitation services.
	ind.03	sp.01	0.333	Arithmetic	1	Degree of IWRM implementation (1-100)
	ind.04	sp.02	0.25	Arithmetic	-1	Annual freshwater withdrawals, total (% of internal resources)
	ind.05	sp.02	0.25	Arithmetic	1	Renewable internal freshwater resources per capita (cubic meters)
	ind.06	sp.02	0.25	Arithmetic	1	Environmental flow requirements (106 m3/annum)
	ind.07	sp.02	0.25	Arithmetic	1	Average precipitation in depth (mm per year)
	ind.08	sp.03	0.5	Arithmetic	1	Access to electricity (% of population)
	ind.09	sp.03	0.167	Arithmetic	1	Renewable energy consumption (% of total final energy consumption)
	ind.10	sp.03	0.167	Arithmetic	1	Renewable electricity output (% of total electricity output)
	ind.11	sp.03	0.167	Arithmetic	-1	CO2 emissions (metric tons per capita)
	ind.12	sp.04	0.5	Arithmetic	1	Electric power consumption (kWh per capita)
	ind.13	sp.04	0.5	Arithmetic	-1	Energy imports, net (% of energy use)
	ind.14	sp.05	0.333	Arithmetic	-1	Prevalence of undernourishment (%)
	ind.15	sp.05	0.167	Arithmetic	-1	Percentage of children under 5 years of age affected by wasting (%)
	ind.16	sp.05	0.167	Arithmetic	-1	Percentage of children under 5 years of age who are stunted (%)
	ind.17	sp.05	0.333	Arithmetic	-1	Prevalence of obesity in the adult population (18 years and older)
	ind.18	sp.06	0.25	Arithmetic	1	Average protein supply (gr/caput/day)
	ind.19	sp.06	0.25	Arithmetic	1	Cereal yield (kg per hectare)
	ind.20	sp.06	0.25	Arithmetic	1	Average Dietary Energy Supply Adequacy (ADESA) (%)
	ind.21	sp.06	0.25	Arithmetic	1	Average value of food production (I\$ per caput)